

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/001,254

DATE: 12/10/2001

TIME: 14:47:31

Input Set : A:\LJ5037.txt

Output Set: N:\CRF3\12102001\I001254.raw

**ENTERED**

4 <110> APPLICANT: Reed, John C.  
5 Godzik, Adam  
6 Pawlowski, Krzysztof  
7 Fiorentino, Loredana  
8 Lee, Sug Hyung  
9 Roth, Wilfred  
10 Stenner-Liewen, Frank  
12 <120> TITLE OF INVENTION: Novel Death Domain Proteins  
15 <130> FILE REFERENCE: P-LJ 5037  
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/001,254  
C--> 17 <141> CURRENT FILING DATE: 2001-11-15  
17 <150> PRIOR APPLICATION NUMBER: 60/301,889  
18 <151> PRIOR FILING DATE: 2001-06-29  
20 <150> PRIOR APPLICATION NUMBER: 09/715,893  
21 <151> PRIOR FILING DATE: 2000-11-17  
23 <160> NUMBER OF SEQ ID NOS: 62  
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
27 <210> SEQ ID NO: 1  
28 <211> LENGTH: 210  
29 <212> TYPE: DNA  
30 <213> ORGANISM: Homo sapien  
32 <220> FEATURE:  
33 <221> NAME/KEY: CDS  
34 <222> LOCATION: (1)...(210)  
36 <400> SEQUENCE: 1  
37 ctt tgg gga aga acc act ctg aaa aga gaa gat aaa agc ccg att gcc 48  
38 Leu Trp Gly Arg Thr Thr Leu Lys Arg Glu Asp Lys Ser Pro Ile Ala  
39 1 5 10 15  
41 ccc gag gaa tta gca ctt gtt cac aac ttg agg aaa atg atg aaa aat 96  
42 Pro Glu Glu Leu Ala Leu Val His Asn Leu Arg Lys Met Met Lys Asn  
43 20 25 30  
45 gat tgg cat gga ggc gcc att gtg tcg gct ttg agc cag act ggg tct 144  
46 Asp Trp His Gly Gly Ala Ile Val Ser Ala Leu Ser Gln Thr Gly Ser  
47 35 40 45  
49 ctc ttt aag ccc cgg aaa gcc tat ctg ccc cag gag ttg ctg gga aag 192  
50 Leu Phe Lys Pro Arg Lys Ala Tyr Leu Pro Gln Glu Leu Leu Gly Lys  
51 50 55 60  
53 gaa gga ttt gat gcc ctg 210  
54 Glu Gly Phe Asp Ala Leu  
55 65 70  
58 <210> SEQ ID NO: 2  
59 <211> LENGTH: 70  
60 <212> TYPE: PRT  
61 <213> ORGANISM: Homo sapien  
63 <400> SEQUENCE: 2  
64 Leu Trp Gly Arg Thr Thr Leu Lys Arg Glu Asp Lys Ser Pro Ile Ala  
65 1 5 10 15

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66 Pro Glu Glu Leu Ala Leu Val His Asn Leu Arg Lys Met Met Lys Asn
67          20          25          30
68 Asp Trp His Gly Gly Ala Ile Val Ser Ala Leu Ser Gln Thr Gly Ser
69          35          40          45
70 Leu Phe Lys Pro Arg Lys Ala Tyr Leu Pro Gln Glu Leu Leu Gly Lys
71          50          55          60
72 Glu Gly Phe Asp Ala Leu
73 65          70
76 <210> SEQ ID NO: 3
77 <211> LENGTH: 297
78 <212> TYPE: DNA
79 <213> ORGANISM: Homo sapien
81 <220> FEATURE:
82 <221> NAME/KEY: CDS
83 <222> LOCATION: (1)...(297)
85 <400> SEQUENCE: 3
86 acc agt ttt gct tat cca gct ata cga tat ctt ctg tat gga gag aag 48
87 Thr Ser Phe Ala Tyr Pro Ala Ile Arg Tyr Leu Leu Tyr Gly Glu Lys
88 1          5          10          15
90 gga aca gga aaa acc cta agt ctt tgc cat gtt att cat ttc tgt gca 96
91 Gly Thr Gly Lys Thr Leu Ser Leu Cys His Val Ile His Phe Cys Ala
92          20          25          30
94 aaa cag gac tgg ctg ata cta cat att cca gat gct cat ctt tgg gtg 144
95 Lys Gln Asp Trp Leu Ile Leu His Ile Pro Asp Ala His Leu Trp Val
96          35          40          45
98 aaa aat tgt cgg gat ctt ctg cag tcc agc tac aac aaa cag cgc ttt 192
99 Lys Asn Cys Arg Asp Leu Leu Gln Ser Ser Tyr Asn Lys Gln Arg Phe
100          50          55          60
102 gat caa cct tta gag gct tca acc tgg ctg aag aat ttc aaa act aca 240
103 Asp Gln Pro Leu Glu Ala Ser Thr Trp Leu Lys Asn Phe Lys Thr Thr
104 65          70          75          80
106 aat gag cgc ttc ctg aac cag ata aaa gtt caa gag aag tat gtc tgg 288
107 Asn Glu Arg Phe Leu Asn Gln Ile Lys Val Gln Glu Lys Tyr Val Trp
108          85          90          95
110 aat aag aga 297
111 Asn Lys Arg
115 <210> SEQ ID NO: 4
116 <211> LENGTH: 99
117 <212> TYPE: PRT
118 <213> ORGANISM: Homo sapien
120 <400> SEQUENCE: 4
121 Thr Ser Phe Ala Tyr Pro Ala Ile Arg Tyr Leu Leu Tyr Gly Glu Lys
122 1          5          10          15
123 Gly Thr Gly Lys Thr Leu Ser Leu Cys His Val Ile His Phe Cys Ala
124          20          25          30
125 Lys Gln Asp Trp Leu Ile Leu His Ile Pro Asp Ala His Leu Trp Val
126          35          40          45
127 Lys Asn Cys Arg Asp Leu Leu Gln Ser Ser Tyr Asn Lys Gln Arg Phe
128          50          55          60

```

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```

129 Asp Gln Pro Leu Glu Ala Ser Thr Trp Leu Lys Asn Phe Lys Thr Thr
130 65              70              75              80
131 Asn Glu Arg Phe Leu Asn Gln Ile Lys Val Gln Glu Lys Tyr Val Trp
132              85              90              95
133 Asn Lys Arg
137 <210> SEQ ID NO: 5
138 <211> LENGTH: 294
139 <212> TYPE: DNA
140 <213> ORGANISM: Homo sapien
142 <220> FEATURE:
143 <221> NAME/KEY: CDS
144 <222> LOCATION: (1)...(294)
146 <400> SEQUENCE: 5
147 aca tat gtg cgc tgc ctc aat gtt gga cta att agg aag ctg tca gat      48
148 Thr Tyr Val Arg Cys Leu Asn Val Gly Leu Ile Arg Lys Leu Ser Asp
149 1              5              10              15
151 ttt att gat cct caa gaa gga tgg aag aag tta gct gta gct att aaa      96
152 Phe Ile Asp Pro Gln Glu Gly Trp Lys Lys Leu Ala Val Ala Ile Lys
153              20              25              30
155 aaa cca tct ggt gat gat aga tac aat cag ttt cac ata agg aga ttt      144
156 Lys Pro Ser Gly Asp Asp Arg Tyr Asn Gln Phe His Ile Arg Arg Phe
157              35              40              45
159 gaa gca tta ctt caa act gga aaa agt ccc act tct gaa tta ctg ttt      192
160 Glu Ala Leu Leu Gln Thr Gly Lys Ser Pro Thr Ser Glu Leu Leu Phe
161              50              55              60
163 gac tgg ggc acc aca aat tgc aca gtt ggt gat ctt gtg gat ctt ttg      240
164 Asp Trp Gly Thr Thr Asn Cys Thr Val Gly Asp Leu Val Asp Leu Leu
165 65              70              75              80
167 atc caa aat gaa ttt ttt gct cct gcg agt ctt ttg ctc cca gat gct      288
168 Ile Gln Asn Glu Phe Phe Ala Pro Ala Ser Leu Leu Leu Pro Asp Ala
169              85              90              95
171 gtt ccc      294
172 Val Pro
176 <210> SEQ ID NO: 6
177 <211> LENGTH: 98
178 <212> TYPE: PRT
179 <213> ORGANISM: Homo sapien
181 <400> SEQUENCE: 6
182 Thr Tyr Val Arg Cys Leu Asn Val Gly Leu Ile Arg Lys Leu Ser Asp
183 1              5              10              15
184 Phe Ile Asp Pro Gln Glu Gly Trp Lys Lys Leu Ala Val Ala Ile Lys
185              20              25              30
186 Lys Pro Ser Gly Asp Asp Arg Tyr Asn Gln Phe His Ile Arg Arg Phe
187              35              40              45
188 Glu Ala Leu Leu Gln Thr Gly Lys Ser Pro Thr Ser Glu Leu Leu Phe
189              50              55              60
190 Asp Trp Gly Thr Thr Asn Cys Thr Val Gly Asp Leu Val Asp Leu Leu
191 65              70              75              80
192 Ile Gln Asn Glu Phe Phe Ala Pro Ala Ser Leu Leu Leu Pro Asp Ala

```

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Input Set : A:\LJ5037.txt

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193          85          90          95
194 Val Pro
198 <210> SEQ ID NO: 7
199 <211> LENGTH: 303
200 <212> TYPE: DNA
201 <213> ORGANISM: Homo sapien
203 <220> FEATURE:
204 <221> NAME/KEY: CDS
205 <222> LOCATION: (1)...(303)
207 <400> SEQUENCE: 7
208 tgg gag gag gat gag tgc ctg gac tac tac ggg atg ctg tcg ctt cac 48
209 Trp Glu Glu Asp Glu Cys Leu Asp Tyr Tyr Gly Met Leu Ser Leu His
210 1 5 10 15
212 cgt atg ttc gag gtg gtg ggc ggg caa ctg acc gag tgc gag ctg gag 96
213 Arg Met Phe Glu Val Val Gly Gly Gln Leu Thr Glu Cys Glu Leu Glu
214 20 25 30
216 ctc ctg gcc ttt ctg ctg gat gag gct cct ggc gcc gcc gga ggc tta 144
217 Leu Leu Ala Phe Leu Leu Asp Glu Ala Pro Gly Ala Ala Gly Gly Leu
218 35 40 45
220 gcc cgg gcc cgc agc ggc cta gag ctc ctg ctg gag ctg gag cgc cgc 192
221 Ala Arg Ala Arg Ser Gly Leu Glu Leu Leu Leu Glu Leu Glu Arg Arg
222 50 55 60
224 ggg cag tgc gac gag agc aac ctg cgg ctg ctg ggg caa ctc ctg cgc 240
225 Gly Gln Cys Asp Glu Ser Asn Leu Arg Leu Leu Gly Gln Leu Leu Arg
226 65 70 75 80
228 gtg ctg gcc cgc cac gac ctg ctg ccg cac ctg gcg cgc aag cgg cgc 288
229 Val Leu Ala Arg His Asp Leu Leu Pro His Leu Ala Arg Lys Arg Arg
230 85 90 95
232 cgg cca gtg tct cca 303
233 Arg Pro Val Ser Pro
234 100
237 <210> SEQ ID NO: 8
238 <211> LENGTH: 101
239 <212> TYPE: PRT
240 <213> ORGANISM: Homo sapien
242 <400> SEQUENCE: 8
243 Trp Glu Glu Asp Glu Cys Leu Asp Tyr Tyr Gly Met Leu Ser Leu His
244 1 5 10 15
245 Arg Met Phe Glu Val Val Gly Gly Gln Leu Thr Glu Cys Glu Leu Glu
246 20 25 30
247 Leu Leu Ala Phe Leu Leu Asp Glu Ala Pro Gly Ala Ala Gly Gly Leu
248 35 40 45
249 Ala Arg Ala Arg Ser Gly Leu Glu Leu Leu Leu Glu Leu Glu Arg Arg
250 50 55 60
251 Gly Gln Cys Asp Glu Ser Asn Leu Arg Leu Leu Gly Gln Leu Leu Arg
252 65 70 75 80
253 Val Leu Ala Arg His Asp Leu Leu Pro His Leu Ala Arg Lys Arg Arg
254 85 90 95
255 Arg Pro Val Ser Pro

```

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TIME: 14:47:31

Input Set : A:\IJ5037.txt

Output Set: N:\CRF3\12102001\I001254.raw

```

256          100
259 <210> SEQ ID NO: 9
260 <211> LENGTH: 195
261 <212> TYPE: DNA
262 <213> ORGANISM: Chlamydia trachomatis
264 <220> FEATURE:
265 <221> NAME/KEY: CDS
266 <222> LOCATION: (1)...(195)
268 <400> SEQUENCE: 9
269 gat ttg tgg aag cag ttt gtg ttt gct cta gga gtt act cca gaa gag      48
270 Asp Leu Trp Lys Gln Phe Val Phe Ala Leu Gly Val Thr Pro Glu Glu
271 1          5          10          15
273 tta gag gct cat gag cct agt gaa gca gca aaa gcg aaa gta gct act      96
274 Leu Glu Ala His Glu Pro Ser Glu Ala Ala Lys Ala Lys Val Ala Thr
275          20          25          30
277 ttc atg cgg tgg tgt aca gga gat tct tta gct gca gga gtg gct gct      144
278 Phe Met Arg Trp Cys Thr Gly Asp Ser Leu Ala Ala Gly Val Ala Ala
279          35          40          45
281 ttg tat tct tat gag agt caa att cca cgt atc gct aga gag aaa att      192
282 Leu Tyr Ser Tyr Glu Ser Gln Ile Pro Arg Ile Ala Arg Glu Lys Ile
283          50          55          60
285 cgt      195
286 Arg
287 65
290 <210> SEQ ID NO: 10
291 <211> LENGTH: 65
292 <212> TYPE: PRT
293 <213> ORGANISM: Chlamydia trachomatis
295 <400> SEQUENCE: 10
296 Asp Leu Trp Lys Gln Phe Val Phe Ala Leu Gly Val Thr Pro Glu Glu
297 1          5          10          15
298 Leu Glu Ala His Glu Pro Ser Glu Ala Ala Lys Ala Lys Val Ala Thr
299          20          25          30
300 Phe Met Arg Trp Cys Thr Gly Asp Ser Leu Ala Ala Gly Val Ala Ala
301          35          40          45
302 Leu Tyr Ser Tyr Glu Ser Gln Ile Pro Arg Ile Ala Arg Glu Lys Ile
303          50          55          60
304 Arg
305 65
308 <210> SEQ ID NO: 11
309 <211> LENGTH: 213
310 <212> TYPE: DNA
311 <213> ORGANISM: Mus musculus
313 <220> FEATURE:
314 <221> NAME/KEY: CDS
315 <222> LOCATION: (1)...(213)
317 <400> SEQUENCE: 11
318 cag cag cag gag gaa gtc cag cgg ctc ctg atg atg ggt gag cca gcc      48
319 Gln Gln Gln Glu Glu Val Gln Arg Leu Leu Met Met Gly Glu Pro Ala

```

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/001,254

DATE: 12/10/2001

TIME: 14:47:32

Input Set : A:\LJ5037.txt

Output Set: N:\CRF3\12102001\I001254.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17

L:838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17

L:840 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17